AMENDMENTS TO THE CLAIMS

The listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) A computer-implemented method of handling a client request in a wireless computer network, said method comprising:

entering into a sleep mode at a wireless client;

while in the sleep mode at the wireless client, detecting a timeslot that corresponds to the wireless client;

in response to detecting the timeslot, awakening from sleep mode and sending a query from the wireless client to a wireless access point;

receiving [[a]] the query at the wireless access point from [[a]] the wireless client;

identifying whether a wake on LAN request corresponds to the wireless client in response to receiving the query; and

sending the wake on LAN request to the wireless client in response to the identification.

2. (Original) The method of claim 1 further comprising:

receiving a data packet;

detecting whether the data packet includes the wake on LAN request; and

storing the wake on LAN request in response to the detection.

3. (Original) The method of claim 2 further comprising:

generating a timestamp to correspond with the wake on LAN request; and

associating the timestamp with the wake on LAN request.

4. (Original) The method of claim 3 further comprising:

retrieving a retention time;

determining whether to remove the wake on LAN request using the retention time and the timestamp; and

removing the wake on LAN request based upon the determination.

5. (Original) The method of claim 2 wherein the data packet corresponds to a target client, the method further comprising:

recognizing whether the target client is an associated client; and

performing the storing in response to the recognizing.

6. (Canceled)

7. (Original) The method of claim 1 wherein the wireless computer network is selected from the group consisting of 802.11a, 802.11b, 802.11g, and Bluetooth.

8. (Original) The method of claim 1 wherein the identifying is performed using the wireless client's MAC address.

9. (Currently Amended) An information handling system comprising:

one or more processors;

a memory accessible by the processors;

a wireless computer network;

one or more nonvolatile storage devices accessible by the processors; and

a client request handling tool for handling a client request in the wireless computer network, the client request handling tool comprising software code effective to:

receive a query from a wireless client from the wireless computer network, wherein the wireless client is adapted to detect, while in sleep mode, a timeslot that corresponds to the wireless client and, in response to detecting the timeslot, send the query to the client request handling tool;

identify whether a wake on LAN request corresponds to the wireless client in response to receiving the query; and

send the wake on LAN request to the wireless client using the wireless computer network in response to the identification.

10. (Original) The information handling system of claim 9 wherein the software code is further effective to:

receive a data packet over a wired computer network;

detect whether the data packet includes the wake on LAN request; and

store the wake on LAN request in one of the nonvolatile storage devices in response to the detection.

11. (Original) The information handling system of claim 10 wherein the software code is further effective to:

generate a timestamp to correspond with the wake on LAN request; and

associate the timestamp with the wake on LAN request.

12. (Original) The information handling system of claim 11 wherein the software code is further effective to:

retrieve a retention time from one of the nonvolatile storage devices;

determine whether to remove the wake on LAN request using the retention time and the timestamp; and

remove the wake on LAN request from one of the nonvolatile storage devices based upon the determination.

13. (Original) The information handling system of claim 10 wherein the data packet corresponds to a target client, the software code further effective to:

recognize whether the target client is an associated client; and

perform the storing in one of the nonvolatile storage devices in response to the recognizing.

14. (Canceled)

15. (Original) The information handling system of claim 9 wherein the identifying is performed using the wireless client's MAC address.

16. (Currently Amended) A computer program product stored in a computer readable medium, comprising functional descriptive material that, when executed by an information handling system, causes the information handling system to perform actions that include: ~~A computer program product stored on a computer operable media for handling a client request in a wireless computer network, said computer program product comprising software code effective to:~~

~~receive~~ receiving a query from a wireless client, wherein the wireless client is adapted to detect, while in sleep mode, a timeslot that corresponds to the wireless client and, in response to detecting the timeslot, send the query to the information handling system;

~~identify~~ identifying whether a wake on LAN request corresponds to the wireless client in response to receiving the query; and

~~send~~ sending the wake on LAN request to the wireless client in response to the identification.

17. (Currently Amended) The computer program product of claim 16 wherein the ~~software code is further effective to~~ wherein the information handling system further performs actions that include;

~~receive~~ receiving a data packet;

~~detect~~ detecting whether the data packet includes the wake on LAN request; and

~~store~~ storing the wake on LAN request in response to the detection.

18. (Currently Amended) The computer program product of claim 17 ~~software code is further effective to~~ wherein the information handling system further performs actions that include;

~~generate~~ generating a timestamp to correspond with the wake on LAN request; and

~~associate~~ associating the timestamp with the wake on LAN request.

19. (Currently Amended) The computer program product of claim 18 ~~software code is further effective to~~ wherein the information handling system further performs actions that include;

~~retrieve~~ retrieving a retention time;

~~determine~~ determining whether to remove the wake on LAN request using the retention time and the timestamp; and

~~remove~~ removing the wake on LAN request based upon the determination.

20. (Currently Amended) The computer program product of claim 17 wherein the data packet corresponds to a target client, ~~the software code further effective to~~ the information handling system further performing actions that include:

~~recognize~~ recognizing whether the target client is an associated client; and

~~perform~~ performing the storing in response to the recognizing.

21. (Original) The computer program product of claim 16 wherein the wireless computer network is selected from the group consisting of 802.11a, 802.11b, 802.11g, and Bluetooth.

22. (Currently Amended) The computer program product of claim 16 [[1]] wherein the identifying is performed using the wireless client's MAC address.